

Patent claims

1. A monitoring procedure for a control (2) of an injection-molding process, actual values ( $T, p, n, v$ ) of the injection-molding process being acquired and fed to a computer (16), characterized in that the actual values ( $T, p, n, v$ ) are acquired by the control (2) and transmitted to the computer (16).  
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2. The monitoring procedure as claimed in claim 1, characterized in that the monitoring procedure includes that, by evaluating the transmitted actual values ( $T, p, n, v$ ), the computer (16) determines at least one setpoint value ( $T^*(t), p^*(t)$ ) and transmits it to the control (2).  
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3. The monitoring procedure as claimed in claim 1 or 2, characterized in that, virtually in parallel with the execution of the monitoring procedure, the computer (16) receives inputs for the control (2) from an operator (18) and passes them on to the control (2) and/or receives outputs for the operator (18) from the control (2) and passes them on to the operator (18).  
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4. The monitoring procedure as claimed in claim 3, characterized in that the receiving and passing on of the inputs and/or outputs is executed by the computer (16) under an operating system which does not have real-time capability.  
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5. The monitoring procedure as claimed in claim 3 or 4, characterized in that the execution of the monitoring procedure is performed by the computer (16) under an operating system which does not have real-time capability.  
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6. The monitoring procedure as claimed in one of the above claims, characterized in that the control (2) takes the form of a software  
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process (2) which is executed by the computer (16) under an operating system with real-time capability virtually in parallel with the execution of the monitoring procedure.

- 5    7. A computer program for carrying out a monitoring procedure as claimed in one of the above claims.
  8. A computer programmed with a computer program (17) as claimed in claim 7.
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9. An injection-molding machine, characterized in that it is assigned a computer (16) as claimed in claim 8.